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PTO/SB/08A (10-01)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO		Compleat if Kn wn			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/036,105		
		Filing Date	10/26/01		
		First Named Inventor	Roger L. Schultz		
		Art Unit	3672		
		Examiner Name	Robert D. Jones		
Sheet	1	of	2	Attorney Docket Number	SC-01-05

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
one	AA1	us-5,813,480		09/29/98	Zaleski, Jr.	
	AB1	us-5,679,894		10/21/97	Kruger	
	AC1	us-4,627,276		12/09/86	Burgess	
	AD1	us-6,068,394		05/30/00	Dublin, Jr.	
	AE1	us-5,138,875		08/18/92	Booer	
	AF1	us-4,407,017		09/27/83	Zhilikov	
	AG1	us-4,150,568		04/24/79	Berger	
	AH1	us-4,849,741		07/18/89	Thomas	
	AI1	us-5,141,061		08/25/92	Henneuse	
	AJ1	us-5,407,265		04/18/95	Hamidieh	
	AK1	us-5,864,058		01/26/99	Chen	
	AL1	us-6,151,554		11/21/00	Rodney	
	AM1	us-3,906,434		09/16/75	Lamel	
	AN1	us-3,853,184		12/10/74	McCullough	
	AO1	us-4,688,647		08/25/87	Daly	
	AP1	us-4,655,300		04/07/87	Davis, Jr.	
	AQ1	us-4,911,252		03/27/90	Estes	
	AR1	us-4,821,563		04/18/89	Maron	
	AS1	us-6,011,346		01/04/00	Buchanan	
	AT1	us-5,839,508		11/24/98	Tubel	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				
one	AU1	JP	360079261A	05/07/85	Sakai		
	AV1	EP	0909008 A2	04/14/99	Halliburton		
	AW1	EP	0909008 A3	04/14/99	Halliburton		
	AX1	GB	2153410A	01/03/85	Licentia		

Examiner Signature	<i>one</i>	Date Considered	7/20/03
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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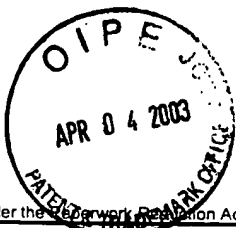
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/036,105
Filing Date	10/26/2001
First Named Inventor	Roger L. Schultz
Art Unit	3672
Examiner Name	Jones, Robert
Attorney Docket Number	SC-01-05

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U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
Dmc	AA1	US-	2,560,328	7/1951	Bielstein	
	AB1	US-	2,582,312	1/1952	Del Homme	
	AC1	US-	3,011,566	12/1961	Graham	
	AD1	US-	3,058,532	10/1962	Alder	
	AE1	US-	3,062,302	11/1962	Toth et al.	
	AF1	US-	3,363,702	1/1968	Bielstein	
	AG1	US-	3,578,092	5/1971	Tesch et al.	
	AH1	US-	3,581,564	6/1971	Young	
	AI1	US-	3,678,883	7/1972	Fischer	
	AJ1	US-	3,703,096	11/1972	Vitter et al.	
	AK1	US-	3,714,822	2/1973	Lutz	
	AL1	US-	3,728,919	4/1973	Scott	
	AM1	US-	3,774,445	11/1973	Rundell et al.	
	AN1	US-	3,782,190	1/1974	Pittman	
	AO1	US-	3,818,227	6/1974	Fries	
	AP1	US-	3,865,736	2/1975	Fries	
	AQ1	US-	3,913,686	12/1975	Manson	
	AR1	US-	4,030,558	6/1977	Morris	
	DMC	AS1	US-	4,114,704	9/1978	Maurer et al.

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)					
one	AT1	GB	2 365 899 A	02-27-2002	SMITH INTL		
one	AU1	GB	2 363 146 A	12-12-2001	SMITH INTL		

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Signature*meall*Date
Considered

7/20/03

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**INFORMATION DISCLOSURE
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Sheet	3	of	3
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Application Number	10/036,105
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First Named Inventor	Roger L. Schults
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Examiner Name	Jones, Robert D.
Attorney Docket Number	SC- 01-05

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One	AA3	US- 5,305,836	4/1994	Holbrook et al.	
	AB3	US- 5,372,207	12/1994	Naville et al.	
	AC3	US- 5,415,030	5/1995	Jogi et al.	
	AD3	US- 5,794,720	8/1998	Smith et al.	
	AE3	US- 3,853,087	12/1974	Aldag	
	AF3	US- 4,063,786	12/1977	Rail	
	AG3	US- 4,074,575	2/1978	Bergman	
	AH3	US- 4,148,271	4/1979	Mafernink	
	AI3	US- 4,379,291	4/1983	Hubbard et al.	
	AJ3	US- 4,425,010	1/1984	Bryant et al.	
	AK3	US- 4,493,042	1/1985	shima et al.	
	AL3	US- 4,659,043	4/1987	Gallagher	
	AM3	US- 4,665,393	5/1987	Wilder et al.	
	AN3	US- 4,790,190	12/1988	Bambara et al.	
	AO3	US- 4,812,826	3/1989	Kaufman et al.	
Two	AP3	US- 5,001,993	3/1991	Gramlow	
	AQ3	US- 5,072,611	12/1991	Budd et al.	
	AR3	US- 5,140,311	8/1992	Cook	
	AS3	US- 5,249,871	10/1993	LaTorre et al.	

FOREIGN PATENT DOCUMENTS

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Signature

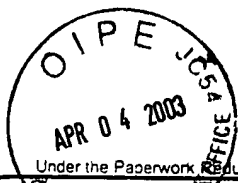
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7	20	02
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Application Number	10/036,105
Filing Date	10/26/2001
First Named Inventor	Roger L. Schultz
Art Unit	3672
Examiner Name	Jones, Robert D.
Attorney Docket Number	SC- 01-05

Sheet 1 of 2

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One	AA3	US- 5,305,836	4/1994	Holbrook et al.	
	AB3	US- 5,372,207	12/1994	Naville et al.	
	AC3	US- 5,415,030	9/1995	Jogi et al.	
	AB3	US- 5,794,720	8/1998	Smith et al.	
	AE3	US- 3,853,087	12/1974	Adag...	
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	AO3	US- 4,812,826	3/1989	Kaufman et al.	
	AP3	US- 5,001,993	3/1991	Grambow	
	AQ3	US- 5,072,611	12/1991	Budd et al.	
None	AR3	US- 5,140,311	8/1992	Codic	
	AS3	US- 5,249,871	10/1993	La Toire et al.	

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	AF4	US- 4,001,773	1/1977	Lamel et al.	
	AG4	US- 4,040,003	8/1977	Beynet et al.	
	AH4	US- 4,903,245	2/1990	Close et al.	
	AI4	US- 4,958,125	9/1990	Jardine et al.	
	AJ4	US- 5,159,577	10/1992	Twist	
	AK4	US- 5,226,332	7/1993	Wassell	
me	AL4	US- 5,321,981	6/1994	Macpherson	
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Examiner Signature	<i>Tom Call</i>	Date Considered	7/20/03
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